

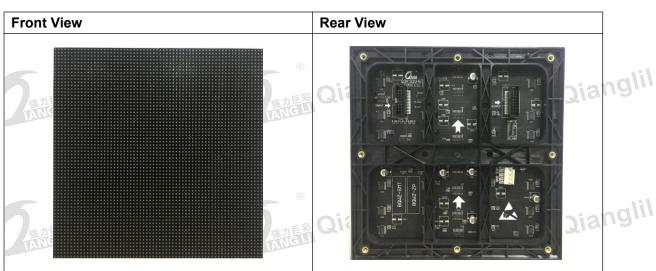
Xiamen Qiangli Jucai Opto-Electronic Technology Co., Ltd.





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1. Module Picture



2. Suggestion Cabinet -(576*576 Aluminum Cabinet)



No. 8065, Building E6, West Xiang'an Road, Xiang'an Torch High-Tech Industrial Zone, Xiamen, China 361100 E-mail: sales@qiangliled.com Website: www.qiangliled.com



3. Technical Specification

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	Pixel Pitch	3mm	Pixel Density	$111111Dots/\texttt{m}^{\texttt{a}}$
B	Configuration	1R1G1B	LED Lamp	SMD2020
强力巨彩 强力巨彩	Size (Width*Height*Depth)	192*192*14mm	Weight	0.28kg±0.01kg
TAU	Structure	Lamp & IC in same PCB	Resolution	64*64=4096Dots
Nodule	Input Voltage (DC)	4.5 \pm 0.1V	Maximum Current	≪4. 3A
®	Power Consumption	≤20W ®	Driving Method	Constant Current 1/32 Scan
强力巨彩 IANGLI	40A Power Supply for	6-7pcs module	80A Power Supply for	12-14pcs module
	40A PFC Power Supply for	8-9pcs module		
®	Cabinet Size (Width*Height*Thickness)		576*576*77mm(with connecting plate)	module, cabine
强力巨彩	Cabinet Pixel Density	通力 国力 国 王 王 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日	192*192=36864 Dots	
IAIT	Cabinet Area		0. 332 m ²	
Cabinet	Cabinet Weight		9.3kg±0.05 kg	
B	Cabinet Max Power Consumption		≤174₩ ®	
强力巨彩	Average Power Consumption (1/3 Max)		≤58W	つ _{通力馬彩} Qiang
TANGE	Distribution Power (Power Supply Capacity 78%)		≤223₩	
	Brightness	≥600cd/m²	Brightness Uniformity	/ >0.95
B	Horizontal Viewing Angle	140 ±10 degree	Vertical Viewing	130 ±10 degree
强力巨彩 IANGLI	Best Viewing Distance	≥3m 通力E影 Q18	Black Spot Ratio	< 0.0003 Qiang
Screen ® 强力巨彩 ANG LI	Max Power Consumption	\leq 525W/m ²	Operation Environment	Indoor
	Grayscale	12-14bits (RGB each)	Display Color	4398 Billion
	Frame Frequency	≥60 frame/sec	Refresh Frequency	≥1920Hz ang
	Control Mode	Computer control, Point-to-point	Brightness Adjustment	256-grade manual automatic
	Life Span	≥100,000 hours	Average Failure Free Time	≥10,000 hours
ß	Attenuation (3 years later)	≤15% ®	Operating Humidity	10%-65%RH



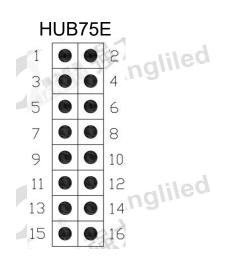
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4. Signal Pin

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			B L L L L E 彩	Qianglil	
Pin	Signal	Function	Pin	Sign al	Function
1	RD1	Red data signal	2	GD1	Green data signal
3	_© BD1	Blue data signal	4	GND	GND
5	RD2	Red data signal	6	GD2	Green data signal
		Dhua data simu d	8	通 力 E 彩 G L	Line power control
	BD2	Blue data signal	0	Е	signal
9		Line power control	10		Line power control
9	А	signal	10	В	signal
11	®	Line power control signal	12	® 强 D 巨彩	Line power control signal
				ANG	Data locking
13	CLK	Clock signal	14	LAT	signal
15	OE	Enable signal	16	GND	GND
Qiangliled Qiangliled Qianglil				Qianglil	



ltem		Description	
Environmen tal Precautions	Temperature requirement Humidity requirement	Storage temperature range: -10 ° C - 30 ° C, over 30 ° C needs to do cooling treatment. Operating temperature range: -20 ° C -40 ° C, other temperature range, need to install temperature control equipment. Lamp surface temperature (working time): ≤60°C, temperature control equipment is required to be installed when temperature exceeding the standard Storage humidity range: 10% RH-60% RH, humidity over 60% RH requires dehumidification treatment. Operating humidity range: 10% RH-65% RH, If the humidity exceeds the standard, it must be dehumidified before it can be used normally.	
う _{通力算料} Q	Storage overdue processing	If the product has been stored for more than one month, need to do 6 hours of aging test before it can be used. The aging mode is: 10%Full brightness setting-1H, 30%Full	

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1 Bitch				
IANGL		brightness setting-1H, 60%Full brightness setting-2H,		
		80%Full brightness setting-1H, 100%Full brightness		
		setting-1H (increase brightness gradually in aging test)		
B 通力巨彩 ANGLI	Dust-proof requirements	Indoor products have no protection level or IP30, and the display should not be exposed to heavy dusty environments, such as decoration and renovation. Special protection is required to protect the display. Installing LED display screen during decoration is strictly prohibited.		
Œ	Avoiding corrosive gas	Corrosive gas contains salt or acid gas in the environment, may cause corrosion of electronic components, crystallization, leakage and so on.		
	Avoiding electromagne tic radiation	The display screen should not be installed in an environment where electromagnetic radiation and radio frequency radiation exceed the field strength of 5V/m interference source.		
5	Avoid strong light	Strong light will affect the display effect and life span of screen. It should be install in the direction where there is shorter direct sun shining.		
揮力E4 TANGLI	Keep away from water	Indoor products have low level of protection, water can make the module short circuit, and leads to circuit device damage, so it is necessary to keep away from the water source.		
B 加度LIANGLI	Electrostatic hazard, Prevent lightning strikes	The metal components of the screen, the shell of power supply and the cabinet should be grounded well, and the grounding resistance should be less than 10Ω . Prevent electrostatic damage to electronic devices in humid environment, while avoiding electric leakage to harm human body.		
B 通力巨彩 Q TANGLI	Personal d injury	The angle and height of the display installation should be appropriate, and the sharp corners should be packaged to prevent damage to the human body from the tough outer casing.		
® 2 强力巨彩 Q IANGLI	Special environment	Display screen for special environment (1, seaside, swimming pool, bathing room, basement, tunnel; 2, chemical environment, vulcanization environment, halogen environment; 3, dust, dusty environment; 4, strong ultraviolet environment; 5, the environment of strong electromagnetic fields; 6, less than -20 degrees, higher than +40 degrees of the environment),The review process is required before placing the order.		
Operational precautions	Electro-static Protection	The worker must wear an anti-electrostatic wrist strap and anti- electrostatic glove. Various tools must be strictly grounded during assembly		



ANGL		Different batches of products cannot be installed in the		
	Product batch control	same screen, otherwise there will be color blocks (mosaic) on the display.		
B D HANGUI	Product wiring	The module cannot be directly connected to 220V, and the module positive and negative poles connection must be right.		
	Disassembly and transportation	Do not throw, push, squeeze or press the module to avoid damaging the display screen.		
B 2 强力巨彩 Q IANGLI	Disassembly and maintenance liquid protection	Sweat or other liquid cannot be dripped on the display screen during disassembly and assembly operation. If it is dripped, then use alcohol to clean the product, to prevent the liquid from corroding the product.		
® ク _{强力巨彩} QI IANGLI	Installation Torque Control	In connection with power supply, it is necessary to ensure tightening of terminal joint screw to prevent joint position from loosening, resulting in wire burning or product damage caused by high contact resistance. Torque of M4 screw is 6.0-8.0 Kgf.cm, and that of M3 screw is 4.0-6.0 Kgf.cm.		
B 建力巨彩 ANGU	Prohibited work with electricity	It is forbidden to assemble the LED module when the power is on. The LED module should be assembled with the main power input disconnected. It is not allowed to insert the power wire and signal cable when there are with electricity.		
5	Prohibited touch with electricity	It is forbidden for people to touch the LED display screen when the LED screen is in usage, so as to avoid electrostatic breakdown of LED lights and chips and other components caused by human body friction.		
	Environmenta I inspection	Temperature and humidity meters should be equipped on the installation site to monitor the surrounding environment of the screen in time. After heavy rain, it is necessary to check whether there are any problems such as dampness, water droplets and over humidity in the screen in time. Within 10% ~ 65% RH relative humidity		
ß	Requirement s for moisture proof	Fixedrange, it is recommended to turn on theInstallationdisplay 1 time per day, and work at least 4Displayhours to remove moisture on the display.ScreenWhen the relative humidity of the environment is over 65% RH,		
_{强力巨彩} Q	lana	A Japen Qiang Qiang		



ASSIG LI	- Hinig	dehumidification treatment should be carried
TAIL	IAIN	out for the operating environment. It is
		suggested to use the screen for more than
		8H per day in this environment, and doors
R	R	and windows should be closed at night to
う _{通力巨彩} Qiangliled	6	prevent the display from dampness.
温力馬彩(見るいら	强力巨利	When the display screen is not used for a
TAING	TANG	long time, it is necessary to preheat and
		dehumidify the whole screen for 8H before
		using, so as to avoid damaging the lamp
		tube after dampness. The dehumidification
5. Repaired	6	methods are: full brightness set 10%- 1H,
_{强力巨彩} Qlang	强力巨利	full brightness set 30% 2H, full brightness
TANGL	TANG	set 60% -2H, full brightness set 80% -2H, full
		brightness set 100% -1H (brightness
		gradually increasing aging).
		After usage , immediately put into flight case
beliled	(B)	and seal the flight case;
_{强力巨彩} Qlang.	强力巨利	In each flight case, please put a desiccant or
TANGL	TANG	hygroscopic bag of not less than 50g.
		In the range of 10% to 65% RH relative
		humidity, the screen should be lighted on
		more than 2H every half month; More than
S [®] and iled	B	65% RH and in the resurgence weather, the
う _{建力巨彩} Qiangliled	强力巨利	screen must be lighted on more than 2H
TANGL	TÂNG	every week. After finished the display, need
		to put it back to flight case, sealed and
		stored. (please check whether there is any
	Rental	failure of the desiccant or hygroscopic bag in
[®] and iled	screen	the aviation, it needs to be replaced every 2
® 2 通力E彩 Qiangliled	display:	months, and more desiccant can increase
TANGL	TÂNG	the dryness inside the box.)
		When the display screen is not in use for a
		long time, it is necessary to reduce the
		brightness of the whole screen by 50% in
う _{建力手続} Qiangliled	ß	advance and play it for 12 hours, and
つ _{編カ巨影} Qiany····	品力巨利	preheat it for "dehumidification" 12H to avoid
TANGL	TANG	damaging the light tube after the LED
		screen is damped.
		While renting, do not touch the display
		screen with water. If there is any water,
5 miangliled	B	make sure that the water on the screen is
Qiany	福加巨	dried. After 2H, light the display screen 2H,



Avoid construction work to the installed LED screen	heat. It is strictly forbidded screens as outdown especially in the operative It is strictly forbidden to rebuild aft LED display screen, so as to previous screen from being affected by the and dust, such as welding, electric equipment.	er the installation of the ent the LED display impact of high current
® 2 現力長彩 Qiangliled		の 構力 目前 Qianglil
B 2 建力巨彩 Qiangliled	® ANGEN Qiangliled	B ANGLI Qianglil
R 2 通力E彩 Qiangliled	® 日本時間 ANGU	® ANGLI RANGLI BAN
B 2 建力巨形 Qiangliled	® Q 福力臣彩 Qiangliled	® ANGLI Qianglil
® 2 建力長形 ANGEI Qiangliled	® ANGII Qiangliled	® ANGT Qianglil
® 5 通力互联 Qiangliled No. 8065. Building E6. West	Kiang'an Road, Xiang'an Torch High-Tech Industrial Zone	هر Alianglil المعرفة المعرف

 No. 8065, Building E6, West Xiang'an Road, Xiang'an Torch High-Tech Industrial Zone, Xiamen, China
 361100

 E-mail:
 sales@qiangliled.com
 Website: www.qiangliled.com